Library Shell/CLI Frontend Page (JS/AJAX) Interface

Algorithm
*Check-membership test -lookup *SELECT o+rie
Correction
List of \(\Rightarrow\) \(\Rightarrow\) \(\Lambda\) \(
First letter olearning? Problems otoo many olearning?
Alternative Podist(): -edit dist -first letter -length -frequency Equaph Graph
· Edit distance under threshold
- Find candidate/entry in graph

o Traverse, find lowest dist

o Find candidate

o Filter

- first letter

- length

ofrequency?

orandon, dist under threshold

Traverse

-Dist of all neighbors

-Recurse on lowest dist

Edit Dist

Dynamic Programming

LRU Cached

Tosent

Delete

Replace (variable cost)

Generated with map (QWERTY)

and Dikey's alg

Learning
- Add new words
- Modify frequencies

Data Structures

	_		_
1	~	î e	-!

Nodemap "a":

Relation (Node next, extra chars)

Ex) apple, app

a PP/ a le

RDB (My SQL)

· Abstracts algorithms

id word length frequency

graph word word 2

Performance

Time

· Add new word: O(n) of O(n2)

· Modify Frequency: O(1)/O(n)

*Check/lookup: O(log n)/O(n)

· Correct:?? (fast)

Quality ??

Time doesn't matter for end user

- Server requests are threaded

- Frontend atomizes words and handles request separately